

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference P3S2004435	FOR FURTHER ACTION	See item 4 below
International application No. PCT/JP2005/000128	International filing date (<i>day/month/year</i>) 07 January 2005 (07.01.2005)	Priority date (<i>day/month/year</i>) 09 January 2004 (09.01.2004)
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237		
Applicant LECIP CORPORATION		

1.	This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).																								
2.	This REPORT consists of a total of 5 sheets, including this cover sheet. In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.																								
3.	<p>This report contains indications relating to the following items:</p> <table style="width: 100%;"> <tr> <td style="width: 10%; text-align: center;"><input checked="" type="checkbox"/></td> <td style="width: 30%;">Box No. I</td> <td style="width: 80%;">Basis of the report</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. II</td> <td>Priority</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. III</td> <td>Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. IV</td> <td>Lack of unity of invention</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Box No. V</td> <td>Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VI</td> <td>Certain documents cited</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VII</td> <td>Certain defects in the international application</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Box No. VIII</td> <td>Certain observations on the international application</td> </tr> </table>	<input checked="" type="checkbox"/>	Box No. I	Basis of the report	<input type="checkbox"/>	Box No. II	Priority	<input type="checkbox"/>	Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability	<input type="checkbox"/>	Box No. IV	Lack of unity of invention	<input checked="" type="checkbox"/>	Box No. V	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement	<input type="checkbox"/>	Box No. VI	Certain documents cited	<input type="checkbox"/>	Box No. VII	Certain defects in the international application	<input type="checkbox"/>	Box No. VIII	Certain observations on the international application
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4.	The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis .2).																								

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. +41 22 338 82 70	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Date of issuance of this report 22 August 2006 (22.08.2006)</td> </tr> <tr> <td style="padding: 5px;">Authorized officer Yoshiko Kuwahara e-mail: pt07@wipo.int</td> </tr> </table>	Date of issuance of this report 22 August 2006 (22.08.2006)	Authorized officer Yoshiko Kuwahara e-mail: pt07@wipo.int
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PATENT COOPERATION TREATY

From the
INTERNATIONAL SEARCHING AUTHORITY

TRANSLATION

PCT

WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

To:		
		<p>Date of mailing (day/month/year)</p>
Applicant's or agent's file reference P3S2004435		FOR FURTHER ACTION See paragraph 2 below
International application No. PCT/JP2005/000128	International filing date (day/month/year) 07.01.2005	Priority date (day/month/year) 09.01.2004
International Patent Classification (IPC) or both national classification and IPC		
Applicant LECIP CORPORATION		

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Name and mailing address of the ISA/JP	Authorized officer
Facsimile No.	Telephone No.

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/JP2005/000128

Box No. I Basis of this opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This opinion has been established on the basis of a translation from the original language into the following language
_____, which is the language of a translation furnished for the purposes of international search (under Rule 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
☐ a sequence listing
☐ table(s) related to the sequence listing
 - b. format of material
☐ in written format
☐ in computer readable form
 - c. time of filing/furnishing
☐ contained in the international application as filed.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
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International application No.

PCT/JP2005/000128

Box No. V	Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement		
1. Statement			
Novelty (N)	Claims	3, 5-10	YES
	Claims	1, 2, 4, 11, 12	NO
Inventive step (IS)	Claims		YES
	Claims	1-12	NO
Industrial applicability (IA)	Claims	1-12	YES
	Claims		NO
2. Citations and explanations:			
<p>Document 1: JP 8-31585 A (Ushio Electric Inc), 02 February 1996, full text, all drawings</p> <p>Document 2: JP 2002-151288 A (Toshiba Lighting & Technology Corporation), 24 May 2002, full text, all drawings</p> <p>Document 3: JP 2002-231478 A (Harison Toshiba Lighting Corporation), 16 August 2002, full text, all drawings</p> <p>(Claims 1, 2, 4, 11, and 12)</p> <p>The inventions of claims 1, 2, 4, 11, and 12 do not appear to possess novelty over document 1 cited in the ISR.</p> <p>Document 1 describes, particularly noting the description in Fig. 1, providing inductance elements between a step-up transformer and a dielectric barrier discharge lamp, and also describes, particularly noting the description in Fig. 2, providing inductance elements in series with a primary coil of a step-up transformer.</p> <p>(Claim 3)</p> <p>The invention of claim 3 does not appear to involve an inventive step over document 1 and document 2 cited in the ISR.</p> <p>Document 2 describes, particularly noting the description in paragraph 0019, using a leakage transformer as a reactor member.</p> <p>Accordingly, the invention of claim 3 could easily be conceived of by a person skilled in the art by applying the invention described in document 2 as the reactor member of the invention described in document 1.</p> <p>(Claims 5 and 8)</p> <p>The inventions of claims 5 and 8 do not appear to involve an inventive step over document 1 cited in the ISR.</p> <p>The inductance value of the reactor member is matter that a person skilled in the art could appropriately design as needed in order to realize the desired light emission.</p> <p>(Claims 6, 7, and 10)</p> <p>The inventions of claims 6, 7, and 10 do not appear to involve an inventive step over document 1 and document 3 cited in the ISR.</p> <p>Paragraph 0041 of document 3 describes lowering a drive frequency below a resonance frequency.</p>			

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Supplemental Box

In case the space in any of the preceding boxes is not sufficient.

Continuation of: Box V

Accordingly, the inventions of claims 6, 7, and 10 could easily be conceived of by applying the invention described in document 3 to the invention described in document 1.

(Claim 9)

The invention of claim 9 does not appear to involve an inventive step over document 1 cited in the ISR.

Paragraph 0008 of document 1 describes a resonance frequency matching a drive frequency, and this examination does not find anything particular about making the drive frequency near the resonance frequency.